



The comparative studies of some potato cultivars in different pedoclimatic conditions from Suceava county

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The researches were conducted during period 2005-2007 in Suceava Plateau at Agricultural Research and Development Station of Suceava on a soil of Chernisols class, on faeoziom cambic type and subtype and in the mountains area of Suceava County at Agricultural Research Center of Pojorâta on lithic alluvial soil. In both locations it was taken in the study, a total of 24 varieties of potato, 23 Romanian and one Dutch. It was pursued the production potential of genotypes, number of tubers and the percentage of tubers on size categories, resistance to diseases and the growing season. Following the results obtained, it was found that in the environmental conditions of the Suceava Plateau the varieties Astral, Claudiu (semi earlier group), Loial, Sante, Speranta, Nicoleta and Robusta (semi later group) achieved the highest yields of tubers, ranging from 34, 6 t/ha and 38.2 t/ha, production increases from the average taken as control varieties being distinct and very significant amplitude between 3.6 t/ha and 5.3 t/ha. In the environmental conditions of Bucovina Obcine, the largest production of tuber have made Astral, Claudiu. Loial, Robusta and Dragomirna, between 32.3 t/ha and 36.4 t/ha, the production increases in comparison with average of varieties yields being very significant.